

TR 9000

RELATIVE POWER OUTPUT  
INTO DUMMPT LOAD (30-500m)(HIGH PWR)  
relative Pwr

144.0	7.8
4.5	8.0
5.0	8.2
5.5	8.4
6.0	8.5
6.5	8.5
7.0	8.3
7.5	8.1
8.0	7.8

(154 RG-8/U)

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Specifier: Occasionally, temporary or interim roofing will be

anticipated as part of the work plan or become necessary as a result of weather or construction conditions. CCI's services are available to assist in the preparation of detailed procedures for such work.

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G. Work Item No.         . Do not install any roofing materials during snow, rain, fog, mist, or other inclement weather. One exception is that temporary work may be installed during such weather to protect materials that are already installed. Remove all temporary work and materials that have been exposed to such weather; then install permanent materials as specified.

1. Do not apply roofing materials when moisture in any form (such as dew) can be seen or felt on the surface to which those materials will be applied.
2. Do not apply materials when foaming, bubbling, or blistering of the hot bitumen occurs.

H. Work Item No.         . Broom each ply of felt and other roll materials into place, full width, while the bitumen is hot and fluid. The results of brooming must be that the

8/13/88 by KIEGCU

TR-9000 into 56λ LARSEN  
ON SHACK ROOF

freg.	P <sub>out</sub> (rel)
144.0	8.8
4.5	9.0
5.0	8.4
5.5	7.9
6.0	7.8
6.5	8.0
7.0	8.2
7.5	8.2
8.0	7.7

1. For gutter cradle supports: 3/16 x 1 inch.
  2. For tubular support drawbands: 1/8 x 1 inch.
  3. For pressure bars: 3/16 x 1-1/4 inches.
- D. Steel (for continuous angle plywood support at precast walls): 16-gauge, hot-rolled steel sheet.
- E. Sheet lead (for sanitary vents): Four-pound, hard lead, containing not less than 4% nor more than 6% antimony.
- F. Sealant: Rubber base, FS TT-S-230 (single component); such as "Mono," manufactured by Tremco Manufacturing Company.
- G. Asphalt primer: ASTM D 41.
- H. Solder, flux, and accessories: As necessary and compatible with the material being installed.

8/13/83 by KF6CU.

TR-9000 into colinear  
on top of tower

f	P <sub>out</sub> (rel)
144.0	6.8
145.5	7.0
147.0	10.0
148.5	8.8
150.0	6.1
151.5	7.0
153.0	10.0
154.5	8.0
156.0	5.8
146.760	8.6

tower all the way up



u. Over metal decks, fasten the first layer of insulation at the perimeters, using fastener types that are recommended by both FM and the insulation manufacturer.

b. Over wood decks, fasten the entire first layer of insulation, using a square-headed cap nail (one-inch head size) with an annular-ringed shank. An acceptable manufacturer is Simplex Nail and Manufacturing Company.

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Specifier: Refer to Section 2 of the manual to find out if this specification section (2.04) is necessary for your project. If so, include all of the section. Refer to Specifier note above section 3.04 regarding perimeter wood nailer requirement.  
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2.04 SECONDARY MEMBRANE COMPONENTS

A. The membrane must have two plies of asphalt-saturated organic felt. It must use asphalt as the bitumen.

B. Standards:  
1. Asphalt-saturated organic felt: ASTM D 226, Type I, No. 15, perforated.

TR9000  
relative  $P_{out}$   
into 11-e1 beam on tar.

$f$	$P_{out} (rel)$
144.0	<del>8.0</del> 7.9
4.5	7.2
5.0	8.0
5.5	7.0
6.0	7.3
6.5	8.7
7.0	8.1
7.5	6.1
8.0	7.0

E. Work Item No. \_\_\_\_\_. Only use kettles and tankers that have automatic thermostats to control the bitumen temperature. They must also have accurate thermometers that are clean and easy to read. Take care of the thermostat controls and thermometers and make sure they are accurate and calibrated.

1. Keep a portable thermometer on the job site at all times. It must have a laboratory sticker or letter to certify that it is accurate.

2. Do not use the same mops, buckets, luggers, kettles, or any other equipment for both asphalt and coal tar pitch.

3. Do not use bitumen that has been heated above the materials manufacturer's temperature limits. Permanently remove all such overheated bitumen from the job site.

F. Work Item No. \_\_\_\_\_. Schedule and supervise your work crews so that the area of roofing begun one day is completely finished before leaving the job site that day. This means that all parts of the system from the deck up to and including the gravel are installed on the same day. All of the flashings that are attached to each day's work must also be finished. For example, the insulation, membrane



8/13/83 by KFGCU

RPTR's access with  
TR9000 and colinear

f	P <sub>out</sub> (conf) (vel)	S meter (vel) (V <sub>in</sub> )
145.11	9.7	— (linked)
5.18	9.6	3.5
5.35	9.0	10.0
6.67	8.0	5.0
6.73	8.3	<del>3.2</del> = nope
6.705	8.2	3.2
6.805	9.0	10.0
6.910	— 9.8	— nope
6.940	9.8	9.8
7.000	10.0	3.8
7.120	9.4	10.0
7.270	8.7	2.0
7.330	8.4	

tower all way up

3. Asphalt: ASTM D 312, Types as required by this Contract or, if unspecified, as required by the primary roofing manufacturer for the slopes and the underlying material to which other materials are attached.
4. Coal tar-saturated organic felt: ASTM D 227, Type No. 15.
5. Asphalt-saturated organic felt: ASTM D 226, Type I, No. 15, perforated.
6. Asphalt-saturated asbestos felt (non-perforated): ASTM D 250, Type No. 15.
7. Reinforced asbestos flashing sheet: Primary roofing manufacturer's standard.
8. Woven glass fabric: ASTM D 1668, Type I.
9. Flashing cement: Primary roofing manufacturer's standard.
10. Asphalt roof cement (plastic cement): ASTM D 2822, Type II.